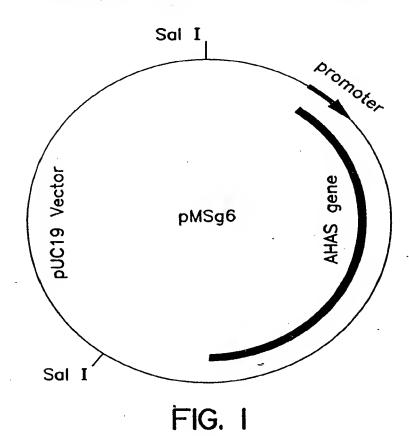
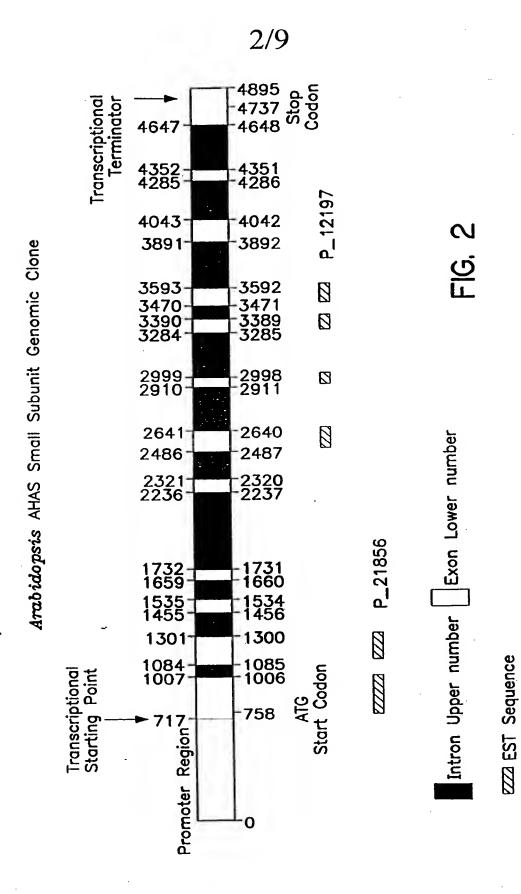
Title: Genes and Vectors for Conferring Herbicide Resistance in Plants Kakefuda et al. Appl. Not yet Assigned Atty Dki No.: 043753/241148 (5849-20A)

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Arabidopsis AHAS Small Subunit Gene



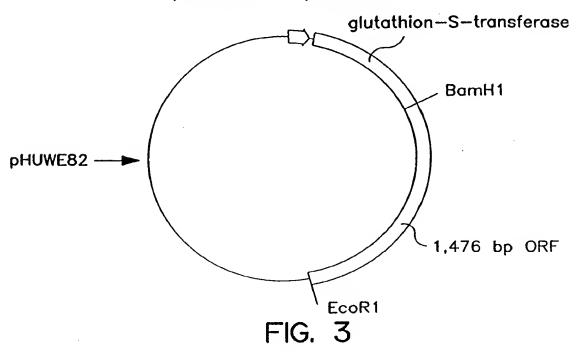
enes and Vectors for Conferring Herbicide Resistance Plants): Kakefuda et al. Appl. 7:: Not yet Assigned Atty Dkt No.: 043753/241148 (5849-20A)

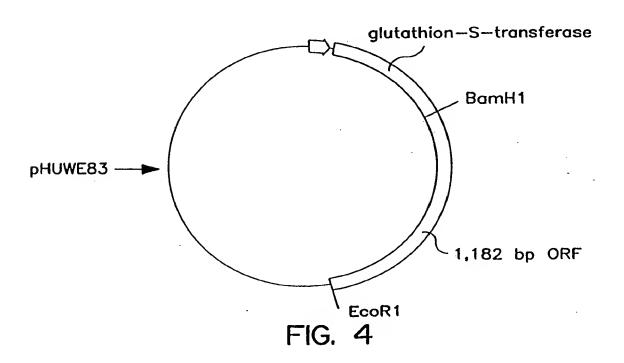


App., No.: Not yet Assigned Atty Dkt No.: 043753/241148 (5849-20A)

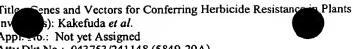
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Arabidopsis AHAS Small Subunit Expression Vectors pHUWE82 and pHUWE83



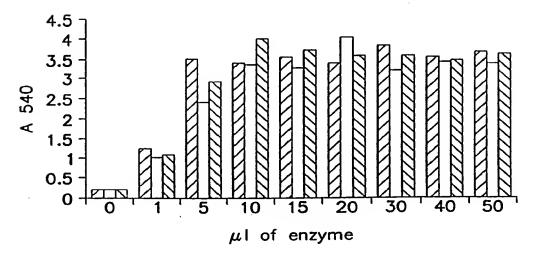


Atty Dkt No.: 043753/241148 (5849-20A)



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Activity of Ar-AHAS Large Subunit in MTPBS, 3mM DTT over time



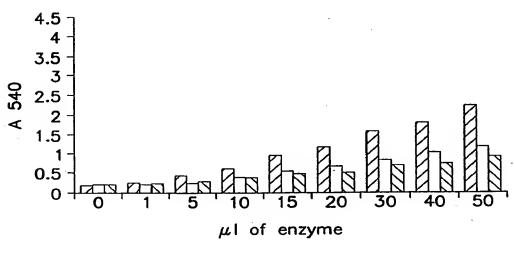
□ 5-Dec/LS 3 mM DTT

□ 6-Dec/LS 3 mM DTT

□ 9-Dec/LS 3 mM DTT

FIG. 5

Ar-AHAS Large Subunit in MTPBS over time



□ 6-Dec/LS cut

☑ 9-Dec/LS cut

FIG. 6

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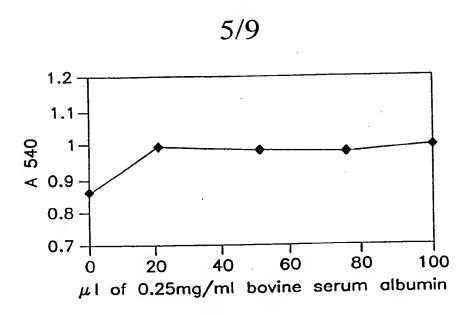


FIG. 7

Activation of the Wild Type Large Subunit of Arabidopsis AHAS by the Arabidopsis AHAS Small Subunit

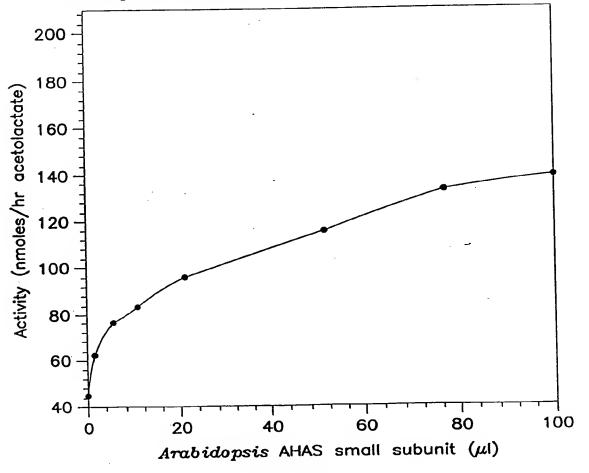


FIG. 8

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Activation of the Herbicide Resistant Mutant (Met124His) Large Subunit of *Arabidopsis* AHAS by the *Arabidopsis* AHAS Small Subunit

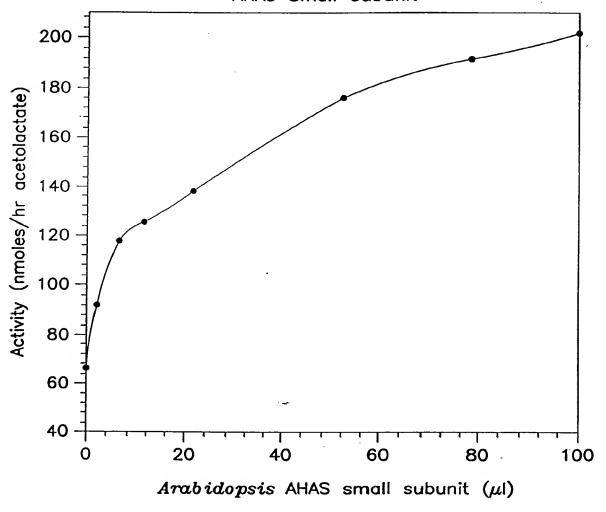


FIG. 9

Appl. No.: Not yet Assigned Atty Dkt No.: 043753/241148 (5849-20A)

Plants

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PLANT TRANSFORMATION VECTOR pHUWE67

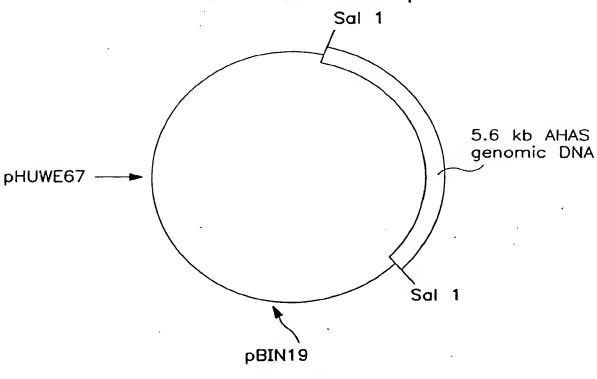
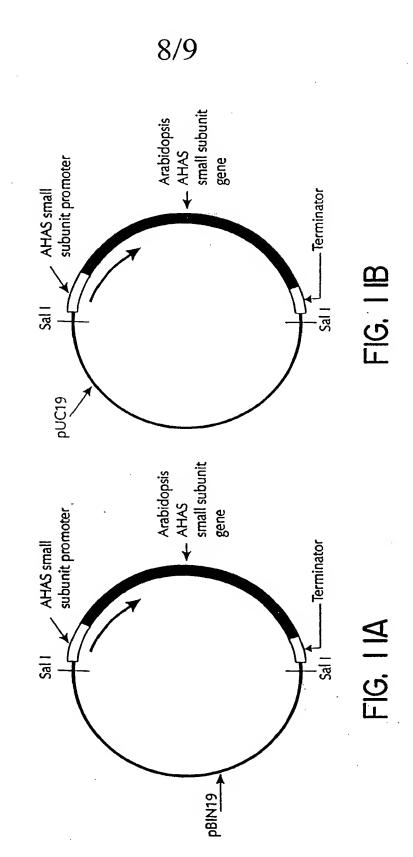
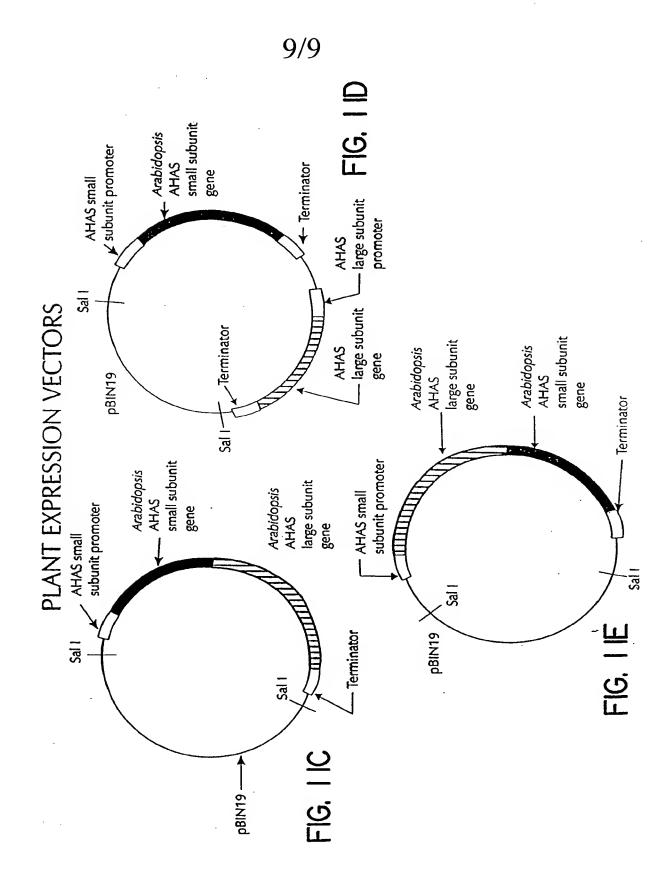


FIG. 10





COOTUNE TENE